REMARKS

The Examiner made the following remarks in the outstanding Final Office Action:

- Claims 1-3 and 7 are rejected under 35 U.S.C. §103(a) as being unpatentable over United States Patent No. 5,497,419 issued in the name of Brian R. Hill, (hereinafter "Hill"), in view of United States Patent No. 6,389,340 issued in the name of Gary A. Rayner, (hereinafter "Rayner"), in view of United States Patent No. 5,408,330 issued in the names of Squicciarini et al., (hereinafter "Squicciarini").
- Claims 4-5, 8-10, 12, and 15 are rejected under 35 U.S.C. §103(a) as being unpatentable over the combination of Hill, Rayner, Squicciarini, and United States Patent No. 5,689,442 issued in the names of Swanson et al., (hereinafter "Swanson").
- Claim 6 is rejected under 35 U.S.C. §103(a) as being unpatentable over the combination of Hill, Rayner, Squicciarini, and United States Patent No. 6,518,881 issued in the name of David A. Monroe, (hereinafter "Monroe").
- Claim 11 is rejected under 35 U.S.C. §103(a) as being unpatentable over the combination of Hill, Rayner, Squicciarini, Swanson, and Monroe.

- Claims 13-14 are rejected under 35 U.S.C. §103(a) as being unpatentable over the combination of Hill, Rayner, Squicciarini, Swanson, and United States Patent No. 6,606,115 issued in the names of Alicandro et al., (hereinafter "Alicandro").
- Claims 16-19 are rejected under 35 U.S.C. §103(a) as being unpatentable over the combination of Hill, Rayner, Squicciarini, Swanson, International Publication WO 96/26600 published in the name of Avid Technology, Inc., (hereinafter "Avid"), and United States Patent No. 5,225,768 issued in the name of Samuel H. Reaves, III, (hereinafter "Reaves").

Claims 1-26, including independent claims 1, 8, 16, 20, 23, and 25 were originally presented for examination. Claims 1-26 have been cancelled and new claims 27-46, including independent claims 27, 33, 39, and 44, have been added. No new matter has been added by way of the present Response. Favorable reconsideration of the present Response as currently constituted is respectfully requested.

ONE MONTH EXTENSION OF TIME

This Response was due for reply by November 25, 2005. A One Month Petition for Extension of Time Under 37 C.F.R. §1.136(a) is enclosed. Per MPEP §505, since December 25, 2005 is a Sunday and

December 26, 2005 is a federal holiday in the District of Columbia, this submission is considered timely if filed by the next succeeding business day, i.e., December 27, 2005.

NEW CLAIMS

The cancelled claims were directed to an in-car video recording apparatus that included a compression circuit for compressing composite live digital video data which is merged video data and status data. The new claims are directed to a multiple key, multiple encryption process for an in-car video recording apparatus to tamper-proof digital data (video, audio, and/or status data) as described in paragraphs 64-89 of the present patent application.

In particular, the claimed asymmetrical encryption system for digital data of an in-car video recording apparatus includes limitations directed to a plurality of encryption and decryption key pairs assigned to different individuals and a digital signature, which is associated with the digital data, that is encrypted and decrypted by the key pairs. Hence, the claims are directed to encrypting and decrypting the digital signature associated with the digital data rather than encrypting and decrypting the digital data.

PREVIOUS REJECTIONS UNDER 35 U.S.C. §103(a)

The rejections in the Office Action dated August 25, 2005 were based on Hill, Rayner, Squicciarini, Swanson, Monroe, Alicandro, Avid, and Reaves. As explained below in further detail, none of these references disclose or suggest, alone or in any combination, an encryption system for in-car digital video recording data that includes a plurality of encryption and decryption key pairs assigned to different individuals and a digital signature, which is associated with the digital data, that is encrypted and decrypted by the key pairs. Therefore, reconsideration of the previously applied rejections and allowance of the new claims are respectfully requested.

The Hill reference

Hill discloses a method and apparatus for recording sensor data where only video signals are compressed. With reference to figure 1, a black box or data recorder 10 includes a recorder 24 that receives signals from sensors 11, 12, 14, 16, 18, and 20-21 through a sensor I/O circuit 50 and a bus 32. The sensors may be brake sensors, accelerator sensors, steering column sensors, wheel rotation sensors, turn signal sensors, ultrasound detection sensors, or inputs from a GPS receiver. The recorder 24 also receives video signals from a CCD microcamera 22 through a signal conversion circuit 36 which compresses the data before forwarding

the compressed data to a signal processing circuit 34, via a bus 32. At the signal processing circuit 34, the compressed data is mixed with the uncompressed sensor data before encryption. In accordance with the black box arrangement of Hill, the resulting processed digital signals are recorded on a removable mass storage unit 30 which may be removed and played in a separate playback unit 142 as illustrated in figure 6. Accordingly, Hill does not disclose or suggest the claimed encryption system for an in-car video recording apparatus.

The Rayner reference

Rayner discloses a vehicle data recorder or black box recorder for capturing video imagery in response to a triggering event. With reference to figure 3, a black box device 10 includes cameras 22 and 24 as well as sensors such as G-force sensor 40, a microphone 44, and a GPS receiver 45. Under the control of a CPU 34, an A/D converter 46 multiplexes and digitizes the input signals provided by these cameras, sensors and devices and stores the digitized sensor data in memory 56. Accordingly, Rayner does not disclose or suggest the claimed encryption system for an in-car video recording apparatus.

The Squicciarini reference

Squicciarini discloses a video incident capture system for law enforcement vehicles. With reference to figure 1, a video recorder 12 records the output of a video camera 10 on a VHS tape. Interposed between the video camera 10 and the video recorder 12 is an On Screen Display ("OSD") circuit 12 which superimposes specified information, such as "target speed," onto the video signals generated by the video camera 10. The superimposed information is recorded on the VHS tape and displayed on a monitor 14. Accordingly, Squicciarini does not disclose or suggest the claimed encryption system for an in-car video recording apparatus.

The Swanson reference

Swanson discloses an event surveillance system that is operable to capture images and sounds concerning events for storage in a random access data store. With reference to figure 1, as described in column 11, lines 26-47, captured images 28 are compressed by the data compression functionality 84 using a JPEG or MPEG compression algorithm while sounds 36 are separately compressed by the data compression functionality 84. Accordingly, Swanson does not disclose or suggest the claimed encryption system for an in-car video recording apparatus.

The Monroe reference

Monroe discloses a digital communication system for law enforcement use that employs a wireless video camera in conjunction with a mobile data terminal or MDT. The MDT provides audio, video, graphic, text and positioning communication capability and incorporates scanners and readers such as bar code readers, magnetic strip readers and fingerprint scanners to permit enhanced on site investigation and investigation support. Accordingly, Monroe does not disclose or suggest the claimed encryption system for an in-car video recording apparatus.

The Alicandro reference

Alicandro discloses a method and apparatus for monitoring the thermal characteristics of an image and, in particular, for inspecting and monitoring the temperature profile exhibited by an object or scene. Accordingly, Alicandro does not disclose or suggest the claimed encryption system for an in-car video recording apparatus.

The Avid reference

Avid discloses a combined editing system and digital moving picture recording system that provides an editing interface having dedicated keys with adaptive functions. A textual display indicates the function currently associated with a particular key.

Accordingly, Avid does not disclose or suggest the claimed encryption system for an in-car video recording apparatus.

The Reaves reference

Reaves discloses a field test instrument including a calibration generator for furnishing signals to tachographs, taximeters and other instruments used in fleet management systems. Accordingly, Reaves does not disclose or suggest the claimed encryption system for an in-car video recording apparatus.

FEE STATEMENT

The total number of claims in the application, as amended, is 20 and the total number of independent claims has decreased. Applicant has enclosed Form PTO-2038 authorizing payment of $455.00 to the cover fees for the Request for Continued Examination ($395.00) and the One Month Extension of Time ($60.00). Accordingly, Applicant believes no additional fees are due for the filing of this Response. If any fees are due, however, please charge our deposit account (Account No. 50-3215).

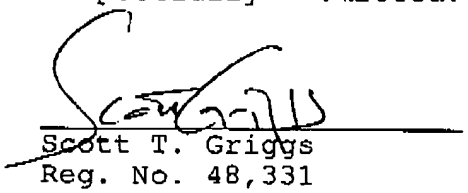
CONCLUSION

In view of the foregoing, the Examiner is respectfully requested to allow claims 27-46 presented for consideration herein. Accordingly, a favorable action in the form of a notice of

allowance is respectfully requested. The Examiner is requested to call the undersigned for any reason that would advance the instant application to issue.

Dated this 26th day of December, 2005.

Respectfully submitted:



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